

## ABSTRACT

An immunogenic detoxified protein is provided which comprises the amino acid sequence of subunit A of an E. coli heat labile toxin (LT-A) or a fragment thereof in 5 which at least amino acid Ala-72 of the A subunits mutated, preferably by substitution with Arg. The toxoid is useful as vaccine against an enterotoxigenic strain of E. coli and is produced by recombinant DNA means by site-directed mutagenesis. It is also an effective adjuvant.



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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :  C12N 15/31, C07K 14/245, A61K 39/108, 39/39, C12N 1/21, C12Q 1/48, G01N 33/50, A01K 67/027, A61K 49/00 // (C12N 1/21, C12R 1:19)		A1	(11) International Publication Number: WO 98/18928  (43) International Publication Date: 7 May 1998 (07.05.98)
(21) International Application Number: PCT/IB97/01440  (22) International Filing Date: 30 October 1997 (30.10.97)		(81) Designated States: CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(30) Priority Data: 9622660.0 31 October 1996 (31.10.96) GB			
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(54) Title: IMMUNOGENIC DETOXIFIED MUTANT E. COLI LT-A TOXIN  (57) Abstract			
<p>An immunogenic detoxified protein is provided which comprises the amino acid sequence of subunit A of an <i>E. coli</i> heat labile toxin (LT-A) or a fragment thereof in which at least amino acid Ala-72 of the A subunit is mutated, preferably by substitution with Arg. The toxoid is useful as vaccine against an enterotoxigenic strain of <i>E. coli</i> and is produced by recombinant DNA means by site-directed mutagenesis. It is also an effective adjuvant.</p> 			

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